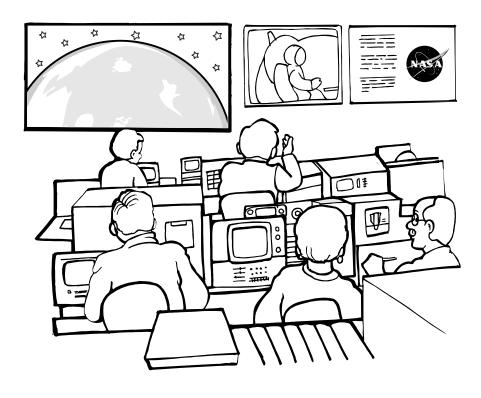


Mars canyons meet to form a depression 4,000 meters (13,000 feet) deep.
Image Credit: NASA/JPL-Caltech/University of Arizona

MISSION CONTROL FOR MARS

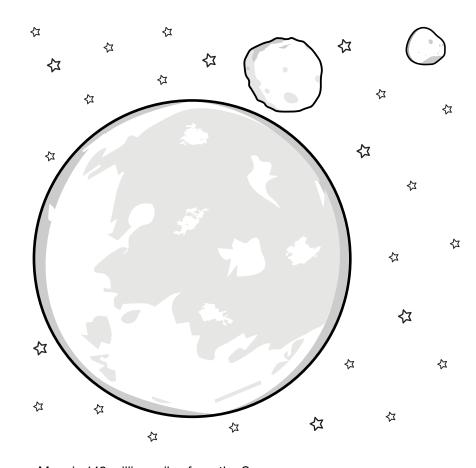
Color the operations center



The operation center and the people there will be an important part of the Mars team.

MARS FUN FACTS

Color Mars and Mars' two Moons

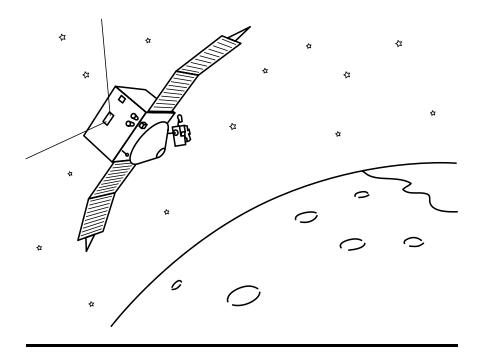


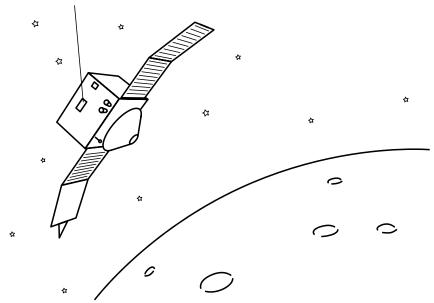
- Mars is 142 million miles from the Sun.
- Mars speed in orbiting the Sun is 14.5 miles per second.
- Mars diameter is 4,220 miles and Mars tilt of axis is 25 degrees.
- The length of year for Mars is 687 Earth Days.
- The length of day for Mars is 24 hours 37 minutes.
- Mars gravity is 0.375 that of Earth.
- Mars temperature is average: -81 degrees F.
- Mars atmosphere is mostly carbon dioxide, some water and vapor.
- Mars has two moons Phobos and Deimos.

16 1

MAVEN AT MARS

Find and circle 8 things that are different

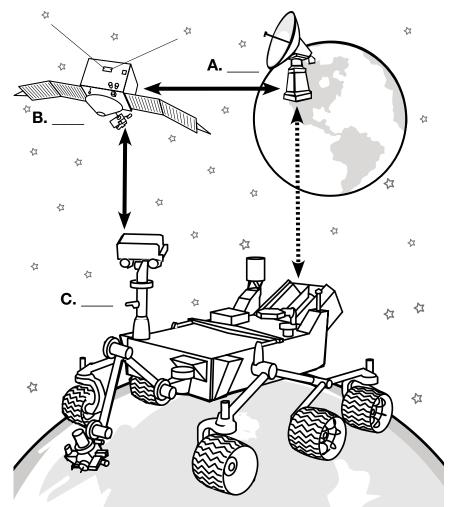




COMMUNICATING WITH MARS

Match the number with the correct communication device

1. Orbiter 2. Rover 3. Deep Space Network



The benefits of using the orbiting spacecraft are that the orbiters are closer to the rover than the Deep Space Network (DSN) Antennas on Earth and the orbiters have Earth in their field of view for much longer time periods than the rover on the ground.

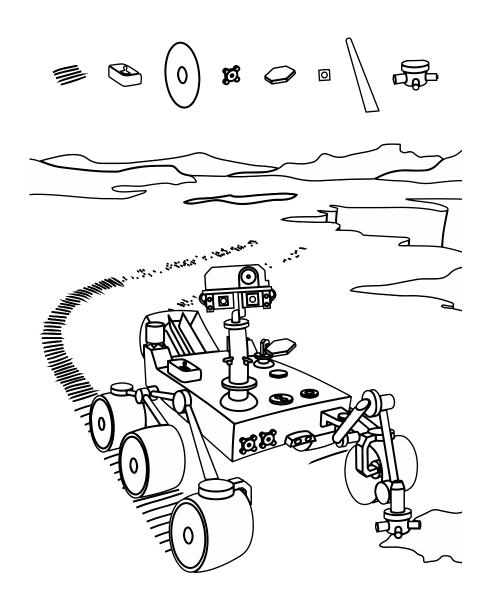
A. 3 B.1 C. 2

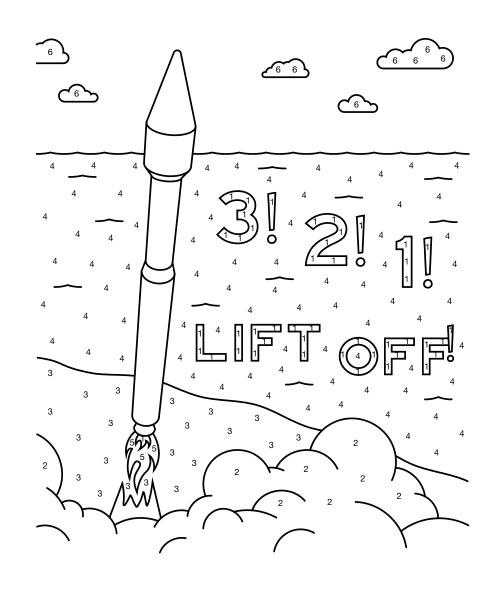
FOLLOW YOUR CURIOSITY

Find and circle these shapes

ON TO MARS

Color - by - number rocket





^{1 -} Orange 2 - Grey 3 - Green 4 - Blue 5 - Yellow 6 - Light Blue

SATELLITES SENT TO MARS

SURVIVING ON MARS

Unscramble the letters to find the words

Circle "mars" each time you find it. How many were there?

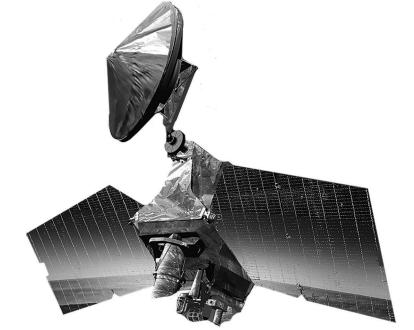
NREMARI

GKINVI

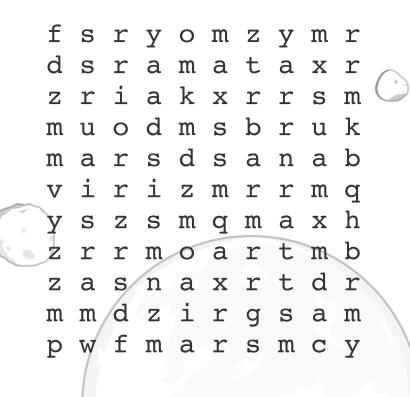
AENMV

SAMR SAECRONASNNCEI RBOIRTE

---- ------



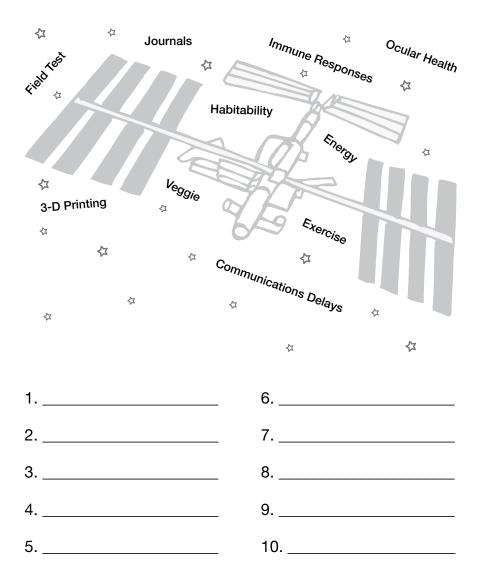
Mariner, Viking, Maven, Mars Reconnaissance Orbiter



Answer: 12

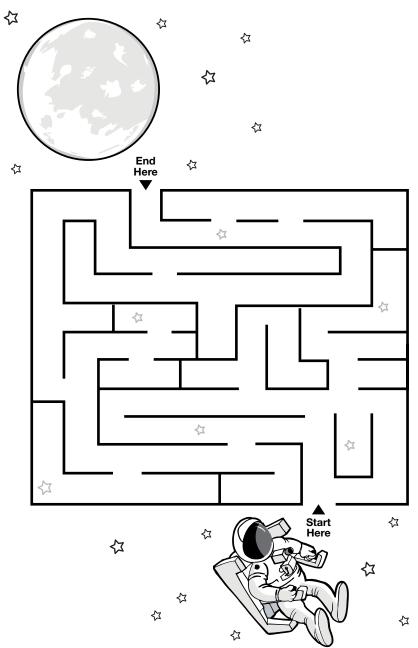
TOP 10 WAYS ISS IS HELPING GET US TO MARS

Alphabetize these ISS related words



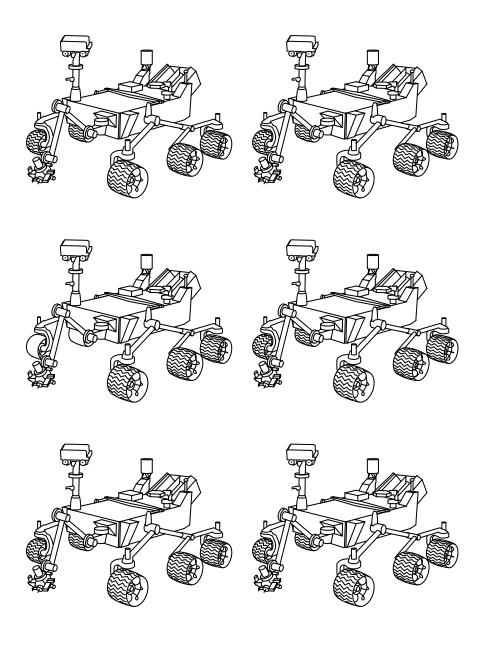
TRAVEL TO MARS

Get the Astronaut to Mars



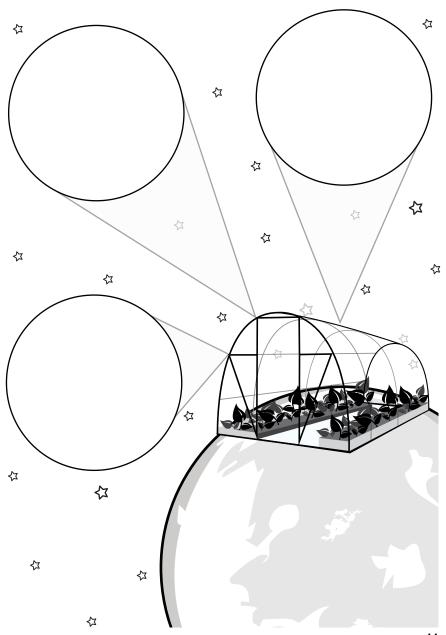
CURIOSITY

Circle the rover that is different from the rest



SURVIVING AND THRIVING

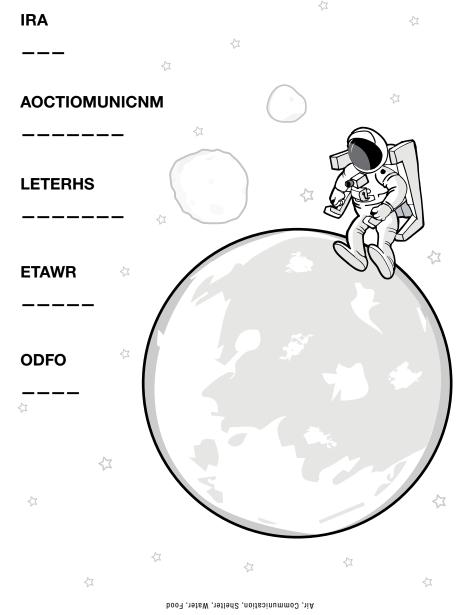
Draw three crops to plant in the greenhouse habitat on Mars



6

THE FIRST HUMAN ON MARS WILL NEED...

Unscramble the letters to find the words



FIND A WORD

Search for Mars words

j f j s m t p r z e c x r s s r e v o r y q x j v e l iqixhxhyereeeleuodnwkonkucq mqprzesrxndijxitqlqrcrziwbq wlgrsnlfinrpjaaiiwmzpybxkag nvpxxtztavouskykqltzjpnesiq wvythjhlexiboqprrglnepjlhov kbafhixutrnnejiznmperofpiyn q n s i z x m q c r q y o i s e a s t e r o q c a fovfnvhewaaupzdsqplqqaeetqk lacevcrrosnlrlsqeqrsevsptkt j r o f l r p k z f d s e i f k u e a j v n y b y d s sh j o h g e b o l a i b o o l h y e a l x b i x l b prtolrbtwbhfqxzsearthykewie bledwxbeastheahwisasanbtawk mzhdwkefnwxdfdhbptakqmkqmdc nayenudobcijqbxiebyormtmsum k p r h b a i y o x f a z y r q c v j p e x a d q m z wpfsdtlmoxfqvikhzlepnnzvjmh spdqaxkitakqtncqsqxoikvjeqm jiovdpouygrmaxlgrrrjxjdnv ldronsrednalgnikivtapxrprp caidobygnmgnivivrusumzeusik jbwatervaporlgngbntatibah ndrpikgipqowwocnhfiiffqwlft kakvtahknkcbnwmatbstajyehpe croapplumurqjbhstpcyinsosmb h m q k i q t y w o e x p w q w k o x v r w i d t o x

air maven carbon dioxide nasa curiosity opportunity earth orion first humans people food phoenix lander habitat radiation shielding landers rovers

satellites

sojourner
spirit
surviving
thriving
viking
viking landers

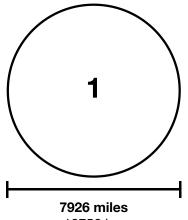
water water vapor

mariner

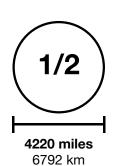
MATCH THE SIZES

Draw a line between each body and its

equatorial diameter

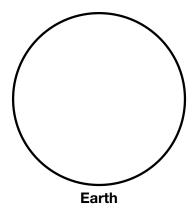


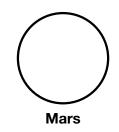
12756 km











SOON WE WILL SEND...

Circle one image that will visit Mars

